

REPLACEMENT SHEET

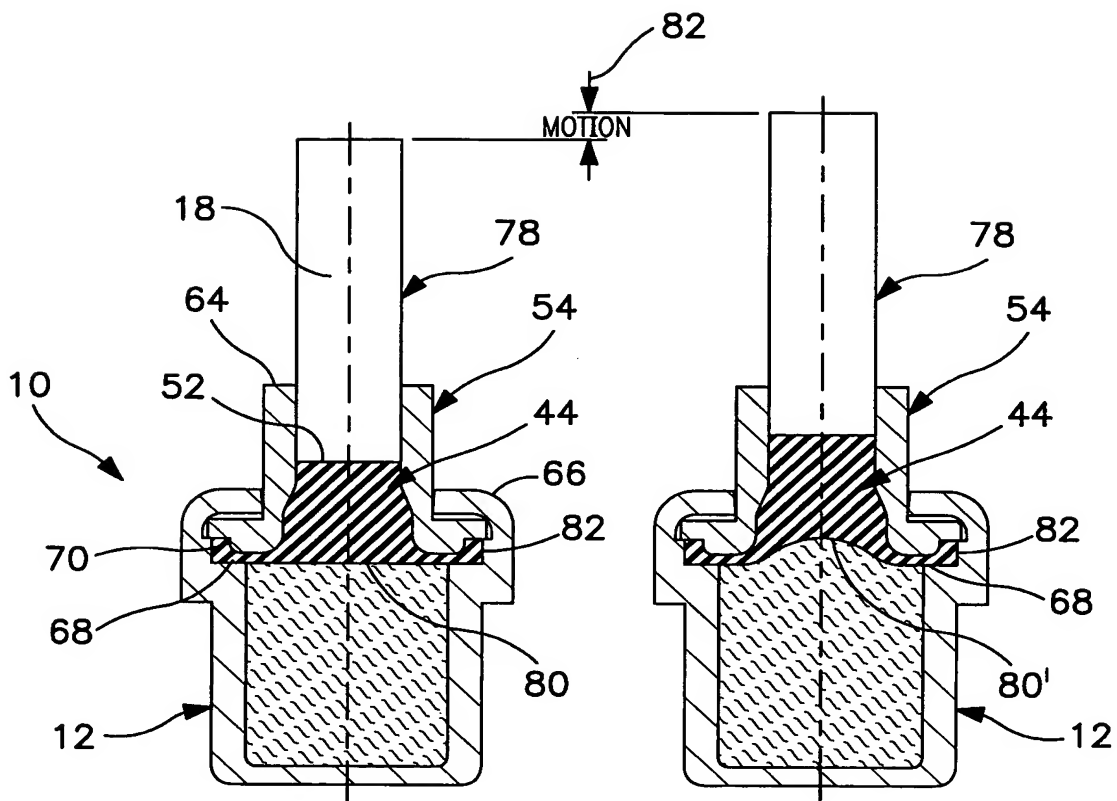


FIG. 1

FIG. 2

REPLACEMENT SHEET

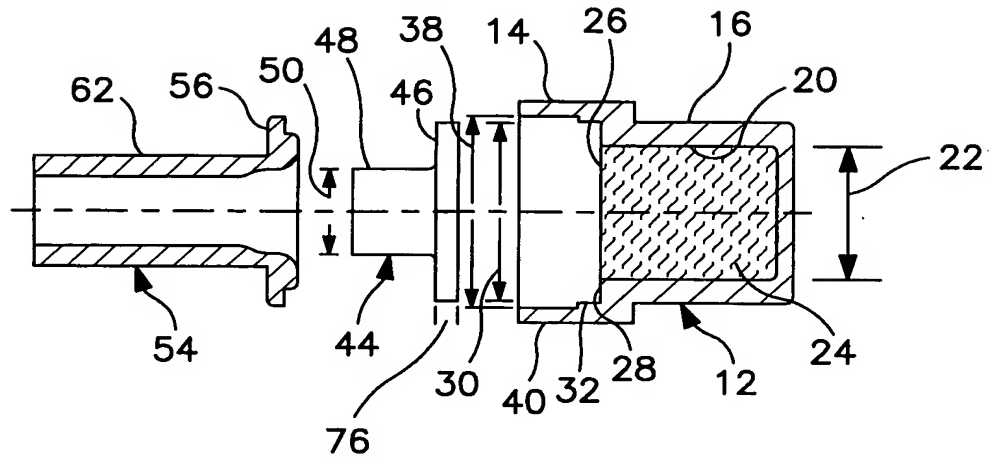


FIG. 3

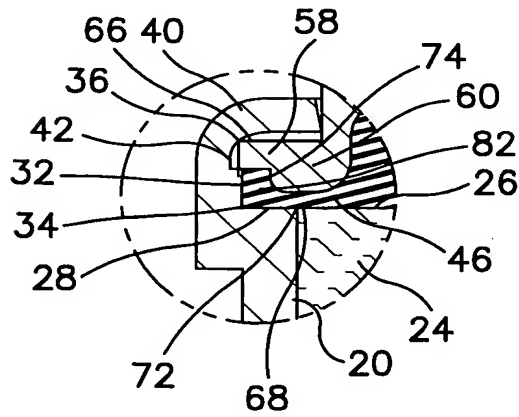
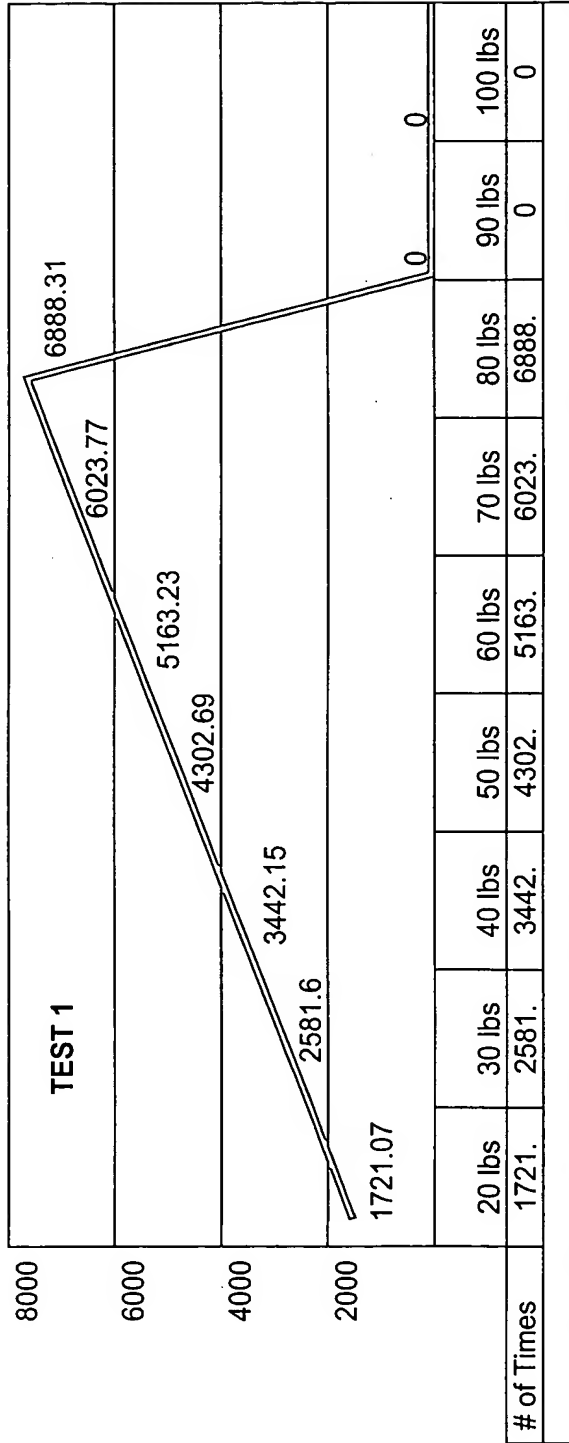


FIG. 4

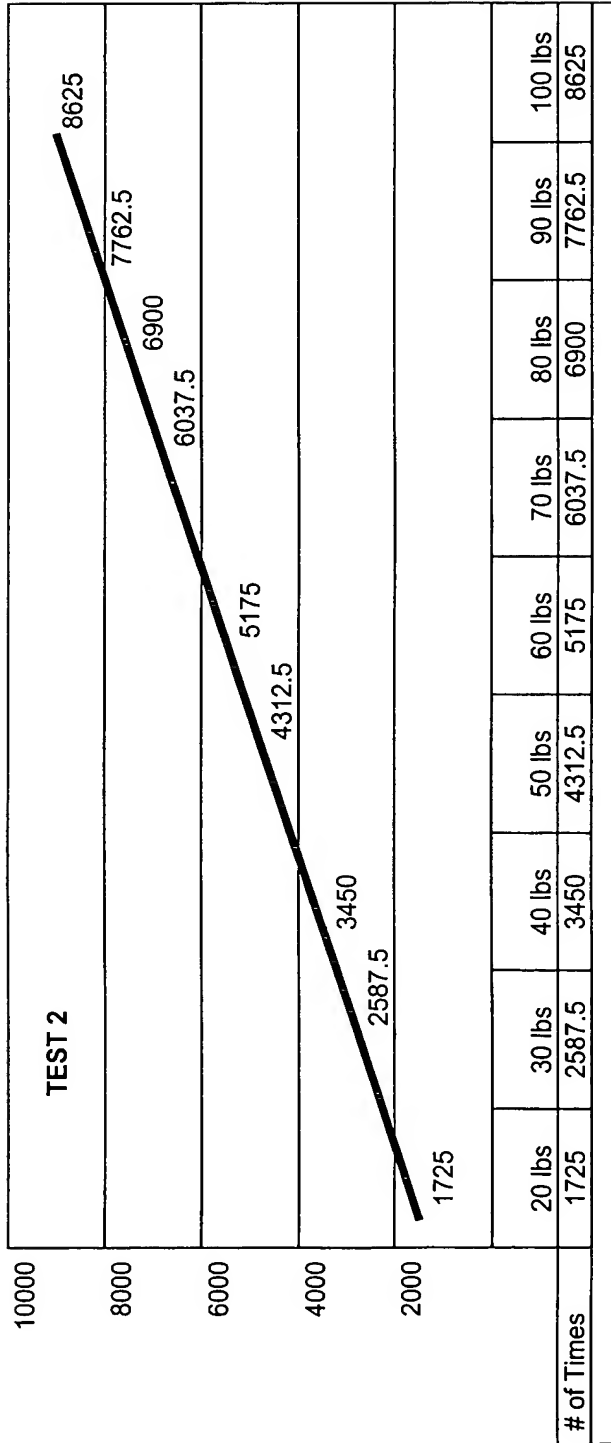
REPLACEMENT SHEET



LOAD	MOTION @ 180F	MOTION @ 200F	PISTON LENGTH	WAX WEIGHT	OVER ALL PART WEIGHT	PRE-TEST LENGTH	POST TEST LENGTH	# OF TIMES
20 lbs	0.225	0.305	0.500	0.159	5.271	0.774	0.774	1721.07
30 lbs	0.217	0.268	0.500	0.159	5.271	0.774	0.774	2581.6
40 lbs	0.212	0.241	0.500	0.159	5.271	0.774	0.774	3442.15
50 lbs	0.205	0.223	0.500	0.159	5.271	0.774	0.774	4302.69
60 lbs	0.201	0.215	0.500	0.159	5.271	0.774	0.774	5163.23
70 lbs	0.187	0.196	0.500	0.159	5.271	0.774	0.774	6023.77
80 lbs	0.183	0.191	0.500	0.159	5.271	0.774	0.774	6888.31
90 lbs			0.500	0.159	5.271	0.774		0
100 lbs			0.500	0.159				0

Table 1

REPLACEMENT SHEET



LOAD	MOTION @ 145F	MOTION @ 200F	PISTON LENGTH	WAX WEIGHT	OVER ALL PART WEIGHT	PRE-TEST LENGTH	POST TEST LENGTH	# OF TIMES
20 lbs	0.153	0.301	0.500	0.144	5.281	0.771	0.771	1725
30 lbs	0.144	0.205	0.500	0.144	5.281	0.771	0.771	2587.5
40 lbs	0.142	0.195	0.500	0.144	5.281	0.771	0.771	3450
50 lbs	0.136	0.141	0.500	0.144	5.281	0.771	0.771	4312.5
60 lbs	0.134	0.138	0.500	0.144	5.281	0.771	0.771	5175
70 lbs	0.127	0.131	0.500	0.144	5.281	0.771	0.771	6037.5
80 lbs	0.122	0.125	0.500	0.144	5.281	0.771	0.771	6900
90 lbs	0.117	0.119	0.500	0.144	5.281	0.771	0.771	7762.5
100 lbs	0.112	0.113	0.500	0.144	5.281	0.771	0.771	8625

Table 2

REPLACEMENT SHEET

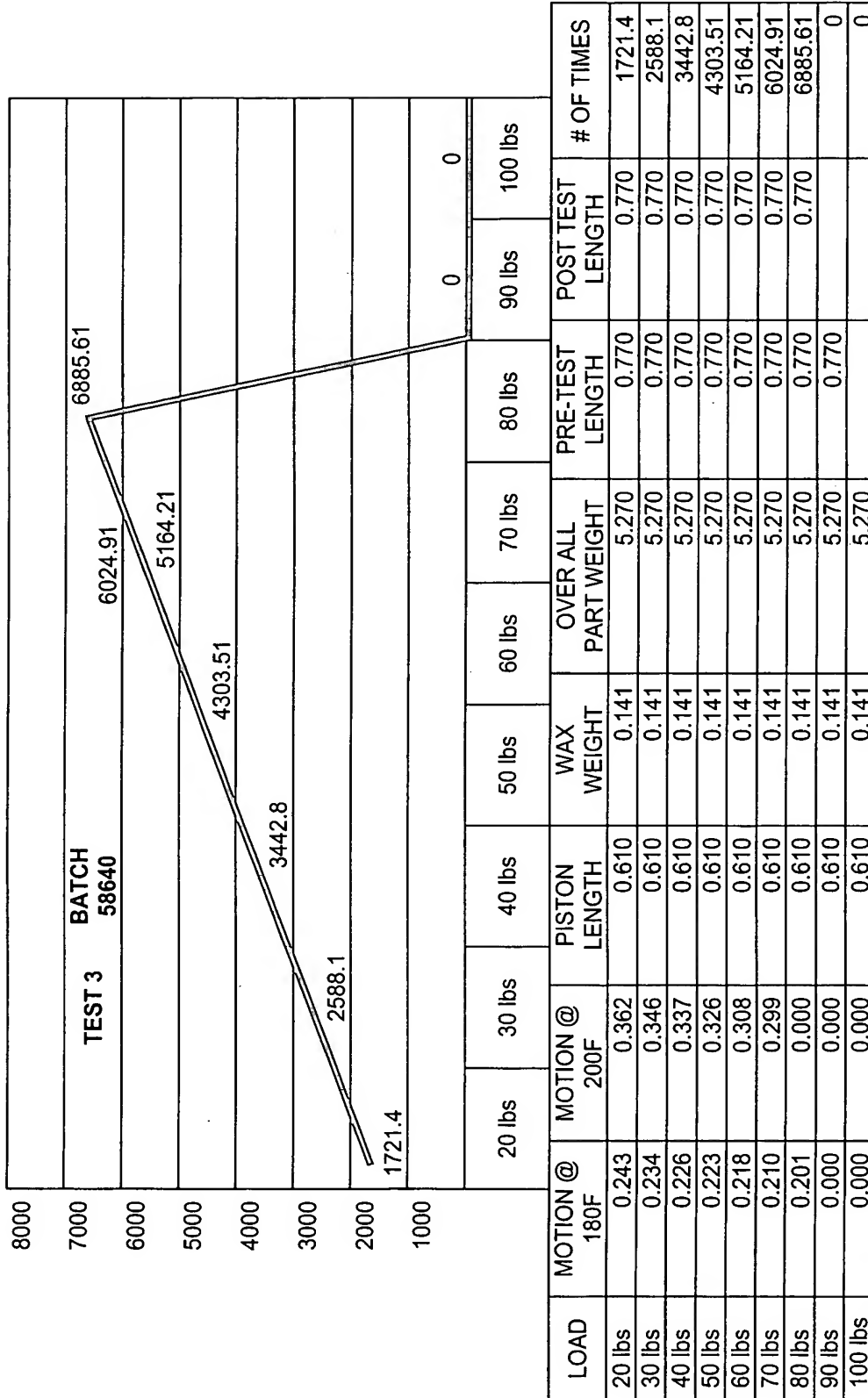


Table 3